EXHIBIT I

Compute pI/Mw tool

Compute pI/Mw is a tool which allows the computation of the theoretical pI (isoelectric point) and Mw (molecular weight) for a list of Swiss-Prot and/or TrEMBL entries or for a user entered sequence [reference].

Documentation is available.

Compute pI/Mw for Swiss-Prot/TrEMBL entries or a user-entered sequence

Please enter one or more Swiss-Prot protein identifiers (ID) (e.g. *ALBU_HUMAN*) or Swiss-Prot/TrEMBL accession numbers (AC) (e.g. *P04406*), separated by spaces, tabs or newlines. Alternatively, enter a protein sequence in single letter code. The theoretical *pI* and *Mw* (molecular weight) will then be computed.

```
MAQTTLKPIVLSILLINTPLLAQAHETEQSVGLETVTVVG
KSRPRATSGLLHTSTASDKI
ISGDTLRQKAVNLGDALDGVPGIHASQYGGGASAPVIRGQ
TGRRIKVLNHHGETGDMADF
SPDHAIMVDTALSQQVEILRGPVTLLYSSGNVAGLVDVAD
GKIPEKMPENGVSGELGLRL
SSGNLEKLTSGGINIGLGKNFVLHTEGLYRKSGDYAVPRY
RNLKRLPDSPRRFANGQHRA
VLGWRKRFYRRTYSDRRDQYGLPAHSHEYDDCHADIIWQK
SLINKRYLQLYPHLLTEEDV
```

Or upload a file from your computer, containing one Swiss-Prot/TrEMBL ID/AC per line:

Browse...

Click here to compute pI/Mw Reset

Last modified 27/Jan/2003 by ELG

Theoretical pI/Mw for the protein sequence

MAQTTLKPIV ... SFTGGVNVKF :

Theoretical pI/Mw: 9.16 / 85575.70